iriver

X20

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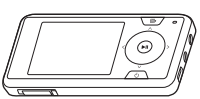
Components

Components are subject to change without notice and may vary from images shown.



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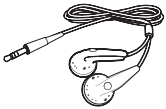
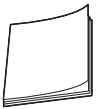
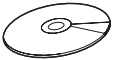


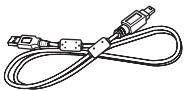
Earphones



Quick Start Guide & Warranty Card



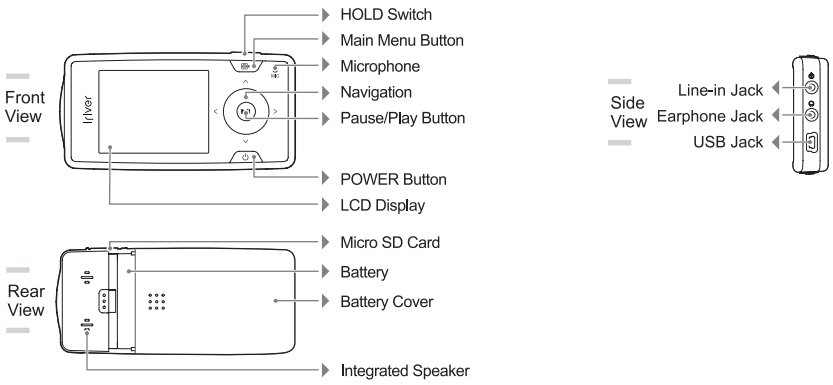
Installation CD



USB Cable

Locating the Controls

Actual player may slightly differ from images shown.



Installing Software

iriver plus 3 and Windows Media Player 11 are integrated programs that efficiently manage music and picture files. Using iriver plus 3 and Windows Media Player 11, you can save music and picture files from PC to the X20.

Installing iriver plus 3

1. Insert the installation CD to your PC to display the installation process screen.
2. Select iriver plus 3 and click the [Install] button. Complete the installation process following the on-screen instructions.

Note

- Minimum requirements for using iriver plus 3
  - ·Intel® Pentium®II 233MHz or higher processor speed
  - ·Windows® 98 SE/ME/2000/XP
  - ·64MB or above memory
  - ·30MB or above hard disk space
  - ·Speaker and sound card which supports 16 bit
  - ·Microsoft Internet Explorer version 6.0 or later
  - ·SVGA or high resolution monitor (1024x768 resolution or higher)
- For more information on using iriver plus 3, refer to page 32 - 34.

Installing Windows Media Player 11

1. Insert the installation CD to your PC to display the installation process screen.
2. Select Windows Media Player 11 and click the [Install] button. Complete the installation process following the on-screen instructions.

Note

- Minimum requirements for using Windows Media Player 11
  - ·Intel® Pentium®II 233MHz or higher processor speed
  - ·Windows® XP
  - ·64MB or above memory
  - ·30MB or above hard disk space
  - ·Speaker and sound card which supports 16 bit
  - ·Microsoft Internet Explorer version 6.0 or later
  - ·SVGA or high resolution monitor (1024x768 resolution or higher)
- For more information on using Windows Media Player 11, refer to page 35 - 37.

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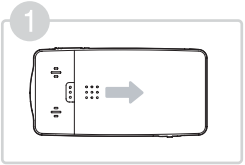
Inserting/Removing Battery

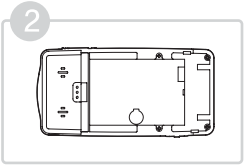
Inserting battery

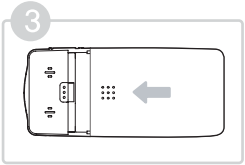
1. Press the battery cover at the rear side of X20 and slide it to the direction of arrow.
2. Check the direction of +/- terminals and put it in the compartment.
3. Close the battery cover to the direction of arrow.

Removing battery

1. Press the battery cover at the rear side of X20 and slide it to the direction of arrow.
2. Remove the battery from the product.







Charging Battery

Charging battery with PC

1. Turn on your PC and connect the X20 to it using the USB cable.

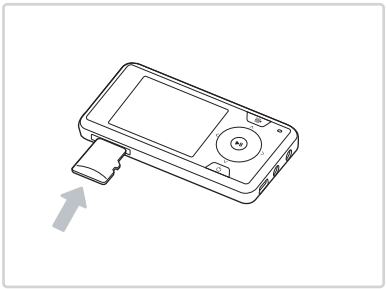
Charging battery with AC adapter (AC adapter is an optional product.)

1. After connecting the USB cable to the X20, connect the AC adapter to the DC jack of USB cable.
2. Plug the AC adapter to a power socket.

Note

- While the product is connected to PC using the USB cable, the integrated battery is will be charged automatically.
- Do not use any other USB cable that is not provided with the product. It may case a malfunction.
- Check if the X20 is connected to a high-power USB 2.0 port.
  Some low-power USB ports built in some peripheral devices such as certain keyboards and USB hub without integrated power may not provide enough power to charge.
- While the PC is switched to standby mode, the product may not be charged.
- Charge the product only in room temperature. The product may not be charged in extremely hot and cold place.
- The available usage time of charged battery becomes gradually short after sometime.
  It will be fully charged within 3 hours. (Based on fully discharged and stop mode)

Inserting/Removing Micro SD Card



Inserting Micro SD card

1. After turning off the product, insert and slightly press the Micro SD card to the card slot with labeled side up.

Removing Micro SD card

1. After turning off the product, press the Micro SD card again to remove it.

Turning on/off the Player

Turning on the player

1. Press and hold the [⏻] button on the product to turn it on.

Turning off the player

1. Press and hold the [⏻] button on the product to turn it off.

Note

- This product has automatic power saving function to save battery power. Based on the setting of power saving mode, the product will be automatically turned off after designated period without operation.
  For more information on setting this function, refer to [Settings-Timer-Auto Power Off]. (Refer to page 28.)

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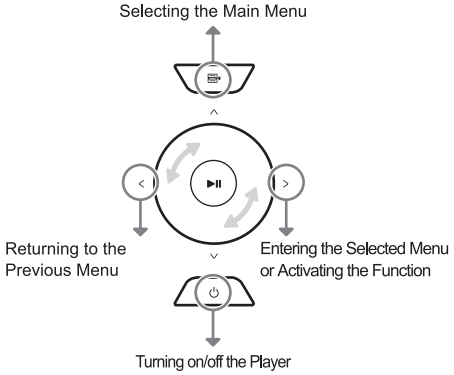
How to Use

The X20 can be operated using [^] [v] [<] [>] buttons and [ ] key.


Selecting the Main Menu
Returning to the Previous Menu
Entering the Selected Menu or Activating the Function
Turning on/off the Player

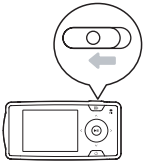
Selecting menu

1. Press the [ ] button to display the Main menu.
2. Use the [ ] key to select the item in the Main menu and press the [▶II] button.

Using HOLD

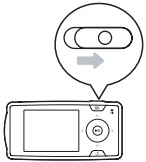
Activating HOLD function

1. Slide the HOLD switch to left to lock the product.



Deactivating HOLD function

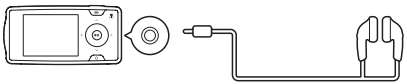
1. Slide the HOLD switch to right to unlock the product.



Connecting Products

Connecting earphones to the X20

1. Connect the earphones to the jack of the product.



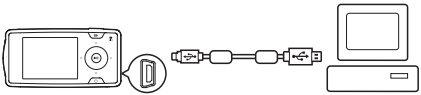
Note

- After disconnecting earphones, sound will be generated from the integrated speaker.
- To listen to FM radio using the integrated speaker, connect the earphones to the Line-in jack. The cord of earphones functions as an antenna during radio reception.

Connecting Products

Connecting the X20 to your PC

1. Press and hold the [⏻] button on the product to turn it on.
2. Turn on your PC and connect the X20 to it using the USB cable.



3. If it is properly connected, the LCD will be shown as below.

(MSC)

(MTP)

Connecting Products

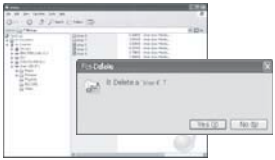
Copying file/folder (Using as a removable disk)

Copying file/folder to the product

1. After selecting the file/folder in your PC, drag & drop it to the drive which appears as the product.

Deleting file/folder from the product

1. After selecting the file/folder, click it with the right mouse button and select [Delete]. Click [Yes] in the [Confirm File Delete/Confirm Folder Delete] popup window to delete the file/folder.



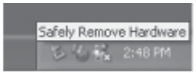
Note

- Always properly connect the USB cable.
- Do not insert or remove the Micro SD card while transferring data to protect your data from damage.
- When you transfer data using the USB cable, never disconnect it or turn off the power to protect your data from damage.

Connecting Products

Disconnecting the X20 from your PC

1. Click the icon on the taskbar to disconnect the product using the "Safely Remove Hardware" menu.



2. Click the [Stop] button to confirm disconnection.

Safe To Remove Hardware
The 'iRiver Internet Audio Player IFP-1000' device can now be safely removed from the system.
2:50 PM

Note

- The icon on the taskbar may be hidden in some operating systems. Click "Show hidden icons" to display the hidden icon.
- The "Safely Remove Hardware" may not be available while using some applications such as Windows Explorer or Windows Media Player.
  Close all applications first before performing the "Safely Remove Hardware".
- If the "Safely Remove Hardware" is not performed properly, try it after a few minutes.

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Music

Selecting Music

1. Select [Music] in the Main menu.
2. Use the [ ] button to search music files by artist, album, genre and title.
3. Press the [<] button to return to the previous menu or press the [>] button to select the item.
4. Select the file and press the [▶II] button to play the selected music.

Listening to Music

1. While listening, spin the [ ] key to clockwise to increase volume or spin the [ ] key to counter-clockwise to decrease it.
2. Press the [▶II] button to pause or play music.
3. Press and hold the [<] or [>] button to play fast forward or fast reverse.
4. Press the [<] or [>] button to play previous or next music.

Additional Features

A-B Repeat

1. Press the [∨] button while playing to select the beginning (A) point. Press it again to select the end (B) point.
2. Now the player plays between A-B point repeatedly. Press the [∨] button again to deactivate A-B Repeat.

In the Title playlist, press the [▶II] button to display the sub-menus as below.

- Play : Plays the selected music.
- Add Now Playing : Adds music files in the selected folder to the Now Playing playlist.
- Play All : Plays all music files in the playlist.
- Add All Now Playing : Adds all music files in the selected folder to the Now Playing playlist.

Note

- Max. playtime: Approximately 22 hours (based on MP3, 128 Kbps, 44.1 KHz, Volume level 20, EQ Normal, LCD Default)
- When you change the Connection type to MTP, you can manage your own playlist using Windows Media Player 11. For more information, move to [Settings > Advanced > Connection Type]. (Refer to page 29.)

Now Playing

Now Playing in Music and Video

1. Select [Now Playing] in the Main menu.
2. The playing screen of current playing music or video is displayed.
   - Press the [^] button during playback to display the Now Playing playlist.
   - Press the [<] or [>] button to play previous or next music/video.

Note

■ If you select [Play All] in the [Music] menu, the current playing music screen will be displayed.

FM Radio

Listening to FM Radio

1. Select [FM Radio] from the Main menu.
2. Press the [<] or [>] button to choose the radio station to listen to.

Scanning FM Radio Station

1. Press the [<] or [>] button to move to the previous/next frequency.
2. Press and hold the [<] or [>] button to move to the available previous/next frequency.
3. Press the [∧] or [∨] button to move to the available previous/next broadcasting channel.

Storing FM Radio Station

1. Press the [▶II] button to store the frequency to the designated channel.

Additional Features

Press and hold the [▶II] button to record the channel to which you are listening to.

· Recording: Records the FM radio to which you are listening to.
- The recorded file can be found in [Music > Save Recordings].

Note

- If the remaining memory space or power is not enough, the recording will be automatically stopped.
- The recorded file will be saved in the RECORD folder as following format.
  - FMRCOO1.MP3 (in case of FM Radio recording)

Recording

Recording

1. Select [Recordings] from the Main menu.
2. In the Standby mode, press the [▶II] button to start recording and press the button again to stop it.
   - The recorded file can be found in [Music > Save Recordings].

Note

- You cannot control the volume while recording.
- If the remaining memory space or power is not enough, the recording will be automatically stopped.
- The recorded file will be saved in the RECORD folder as following format.
  - AUDIOO1.MP3 (in case of Line in Recording)
  - VORCOO1.WAV (in case of Voice Recording)

Picture

Selecting Picture

1. Select [Pictures] from the Main menu.
2. Press the [ ] button select the image.
3. Press the [<] button to return to the previous menu or press the [>] button to select the item.
4. Select the image and press the [▶II] button to play the selected image.

Viewing Picture

1. Press the [<] or [>] button to view previous or next image.
2. Press the [▶II] button to enter the Zoom mode.
   To exit the Zoom mode, press it again.
3. After entering the Zoom mode, you can zoom in/zoom out image by using the [ ] key.
4. After enlarging image, press the [∧] [∨] [<] [>] button to scroll image to desired direction.

Video

Selecting Video

1. Select [Videos] from the Main menu.
2. Press the [⊙] button select the video.
3. Press the [<] button to return to the previous menu or press the [>] button to select item.
4. Select the video and press the [▶II] button to play the selected video.

Watching Video

1. While listening, spin the [⊙] key to clockwise to increase volume or spin the [⊙] key to counter-clockwise to decrease it.
2. Press the [▶II] button to pause or play video.
3. Press and hold the [<] or [>] button to play fast forward or fast reverse.
4. Press the [<] or [>] button to play previous or next video.

Note

- Max. playtime: Approximately 6 hours (based on avi, 320x240@30fps, video : 512 kbps, audio : MP3, 128 kbps, 44.1 KHz)

Browse Device

You can manually check and play various media files stored in the X20.

Browsing Device

1. Select [Browse Device] from the Main menu.
2. Use the [◎] key to select the file/folder.
3. Press the [<] button to return to the previous menu or press the [>] button to select item.
4. Select the file and press the [►II] button to play the selected file.

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Setting up the X20

You can configure your own settings in the X20.
The menu configurations are subject to change with different firmware versions.

| Date & Time |

- Date & Time : Sets the current time.
  [>] button - Moves between items.
  [⊙] button - Confirms the setting.

| FM Radio |

- Auto Preset : Scans FM radio station automatically and stores it to the Preset.
  - Up to 20 channels can be stored.
- Stereo/Mono : Switches the radio reception mode between Stereo and Mono.
- Tuner Region : Changes the region of radio reception.
  - Korea & USA : 87.5~108.0MHz
  - Japan : 76.0~108.0MHz
  - Europe : 87.50~108.00MHz

| Recording |

- Recording Source : Sets the source of voice recording and external device.
  - Line-In : Records the source when external device is connected.
  - Voice-In : Records voice with integrated microphone.
- Radio Quality : Sets the quality of radio recording.
- Line In Quality : Sets the recording quality of connected external device.

| Recording |

- Line In Volume : Sets the recording volume of connected external device.

| Sounds |

- Play Mode : Sets the play order and repeat mode in playlist.
  - Repeat One : Plays a selected track repeatedly.
  - Shuffle : Plays all tracks repeatedly and stops.
  - Repeat : Plays all tracks repeatedly.
  - Shuffle + Repeat : Randomly plays all tracks repeatedly.
- Select EQ : Selects the EQ for current playing music.

| Display |

- Display Orientation : Switches the direction of LCD display.
- LCD Brightness : Sets the brightness of LCD.

| Timer |

- Auto Power OFF : Automatically turns the power off after designated time without operation.
- Sleep : Automatically switches to the Sleep mode after designated time.
- Backlight : Sets the time that the backlight is turned on.

Setting up the X20

| Advanced |

- Language : Selects the language.
- Text Scroll Speed : Sets the scroll speed of characters when file information is too long to display at one time.
- Connect Type : Selects the connection type to PC.

- Power & Data : When the USB connection is made, the product is also connected to PC.
  - MSC(iriver plus 3) :
    - In [My Computer > iriver X20], you can transfer file/folder to the internal memory.
    - In [My Computer > iriver Ex], you can transfer file/folder to external memory.
  - MTP(Windows Media player 11) :
    - In [My Computer > iriver X20 > Internal Storage], you can transfer file/folder to the internal memory.
    - In [My Computer > iriver X20 > External Storage], you can transfer file/folder to external memory.

| Advanced |

- Connection Type : Selects the type for transferring file to PC.
  - MSC(iriver plus 3) :
    - Using iriver plus 3, transfers file with the MSC connection type.

    ※ Mass Storage Class (MSC) is a traditional UMS type.
  - MTP(Windows Media player 11) :
    - Using Windows Media Player 11, transfers file with MTP connection type.

- Format Internal Memory : Deletes all data in the internal memory.
- Format External Memory : Deletes all data in external memory.
- Reset All Settings : Resets the product to the factory setting.
- System Information : Displays system information.

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Using iriver plus 3

Adding Media to Library

1. When you run iriver plus 3 for the first time, the Add Media Wizard will start.
2. Follow the on-screen instructions on the PC to add media files such as music and picture to the library.

Ripping Songs from a CD

1. Insert an audio CD into the CD drive and run iriver plus 3.
2. In iriver plus 3, select the checkbox from [Music >CD Drive] and click [CD Ripping] in bottom left.
3. After ripping song, select [All Music] to check whether the ripped song is added to the library.

Using iriver plus 3

Transferring Media to the X20

Using iriver plus 3

1. After connecting the product to the USB jack of your PC using the USB cable, run iriver plus 3.
2. After clicking the [Music] tab, drag & drop the file which you want to transfer to the pane of Removable Disk.

Using Windows Explorer

1. Connect the product to the USB jack of your PC using the USB cable.
2. Copy the contents to proper folders as below.
   - Music : iriver X20/Music
   - Picture : iriver X20/Pictures
   - Video : iriver X20/Video

Note

■ The supported file formats are listed below.

Type	Extension	Format
Music	MP3, WMA	8~320Kbps
	OGG	Q1~Q10
Picture	JPG	Baseline JPG (Progressive JPG is not supported.)

Type	Extension	Format	
Video	AVI	Video	MPEG4 SP(Simple Profile), Less than 30 frames/sec. 512Kbps
		Resolution	QVGA(320X240)
		Audio	Supports MP3 up to 128 Kbps, 44.1 Khz is recommended, CBR
	WMV	Video	WMV9 SP, Less than 30 frames/sec. 512Kbps
		Resolution	QVGA(320X240)
		Audio	Supports WMA up to 128 Kbps

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Using iriver plus 3

Initializing Disk

1. After connecting the product to the USB jack of your PC using the USB cable, run iriver plus 3.
2. Select [Tools > Portable Device > Initialize Disk] and click [Start] when the message to confirm initialization appears.
3. The initialization process is completed and the product is disconnected from your PC.

Note

- You need to backup the necessary files before initialization as formatted files cannot be recovered.

Using iriver firmware updater

Upgrading Firmware

1. Install iriver firmware updater included in the provided CD-Rom.
2. After connecting the product to the USB jack of your PC using the USB cable, run iriver firmware updater.
   The PC should be connected to internet.
3. After the upgrade window is closed, disconnect the USB cable to complete the firmware upgrade process.

Note

- Do not disconnect the product from PC while downloading firmware upgrade file.
  After the download is completed, disconnect the cable to activate the firmware upgrade.
- If the already installed firmware is the latest version, the message to confirm latest version appears.
- When connect the product to your PC, if there is latest firmware, the instruction message appears automatically.

Using Windows Media Player 11

Adding Media to Library

1. When you run Windows Media Player 11 for the first time, the Add Media Wizard will start.
2. Follow the on-screen instructions on the PC to add media files such as music and picture to the library.

Ripping Songs from a CD

1. Insert an audio CD into the CD drive and run Windows Media Player 11.
2. Select the [Ripping] tab from Windows Media Player 11. Select the checkbox beside music to rip and click the [Start Ripping] in bottom left.
3. The ripped music will be stored in [My Documents > My Music] and automatically added to library.

Using Windows Media Player 11

Transferring Media to the X20

1. After connecting the product to the USB jack of your PC using the USB cable, run Windows Media player 11.
2. After selecting the file in your PC, drag & drop it to the right pane.
3. Click [Start Synchronizing] to start transferring file.
4. Now you can find the selected music in your library.

Note

■ The supported file formats are listed below.

Type	Extension	Format
Music	MP3	8~320Kbps
	WMA	8~320Kbps
Picture	JPG	Baseline JPG (Progressive JPG is not supported.)

Type	Extension	Format	
Video	AVI	Video	MPEG4 SP(Simple Profile), Less than 30 frames/sec. 512Kbps
		Resolution	QVGA(320X240)
		Audio	Supports MP3 up to 128 Kbps, 44.1 Khz is recommended, CBR
	WMV	Video	WMV9 SP, Less than 30 frames/sec. 512Kbps
		Resolution	QVGA(320X240)
		Audio	Supports WMA up to 128 Kbps

Using Windows Media Player 11

Initializing Disk

1. After connecting the product to the USB jack of your PC using the USB cable, run Windows Media player 11.
2. Click [Sync] on the toolbar and select [iriver X20 > External Storage] or [iriver X20 > Internal Storage]. Click [OK] when the message to confirm initialization appears.
3. The initialization process is completed and the product is disconnected from your PC.

Note

- You need to backup the necessary files before initialization as formatted files cannot be recovered.

Safety Instructions

Product Safety

- Do not place objects inside the device other than CD's.
  It may cause malfunction.
- Do not place heavy objects on the player.
  It may cause damage and malfunction.
- Do not dampen your player with rain (water), beverage, chemicals, cosmetics and so on.
  It may cause damage and malfunction.
- Keep away from harsh environments including humid, dusty, and smoky areas.
  It may cause malfunction.
- Keep out of direct sunlight and extreme heat and cold.
  It may cause malfunction.
- Do not keep the product close to magnetic substance such as magnet, TV, monitor and speaker.
  It may cause malfunction.
- Never dismantle, repair, or rebuild your player without permission.
  It may cause damage and malfunction.
- Do not clean with chemical or detergent.
  It may cause malfunction.
- Do not drop or subject the device to impact.
  It may cause damage and malfunction.
- Do not press more than two buttons altogether.
  It may cause damage and malfunction.
- Do not disconnect the USB cable while transferring data.
  It may cause malfunction.

Safety Instructions

Power Safety (AC adapter is an optional product.)

- Do not connect too many power plugs at a time.
  Overheating or fire can result.
- Do not kink the AC adapter or place heavy object on it.
  It may cause fire.
- Do not handle power plug and adapter with wet hands.
  It may cause electronic shock.
- Firmly plug the adapter into the wall socket.
  It may cause fire.
- Unplug the AC adapter during electrical storms.
  It may cause electronic shock.
- Unplug adapter when it's not in use.
  Overheating or fire can result.
- Immediately power off the player and unplug the AC adapter if water or other liquids are present.
  It may cause fire and/or electronic shock.
- Immediately power off the player and unplug the AC adapter if smoke or odors emit from the player or adapter.
  Using the product in abnormal status may cause fire and/or electronic shock.

Other important things to remember

- Do not use headphones / earphones while cycling, driving, or operating any motorized vehicle.
  It is dangerous and is illegal in some areas.
- Reduce volume or stop using the player if you experience a ringing in your ears.
  It may cause injury.
- Reduce volume while walking, especially at pedestrian crosswalks.
  It may cause injury.
- Do not listen to music via headphone/earphone with high volume for a long time.
  It may cause injury.
- Do not use headphone / earphones at high volume.
  It may cause injury.
- Keep headphone-/earphone cords under control to avoid getting caught on nearby objects.
  It may cause injury.
- Do not sleep with headphones / earphones in the ears.
  Do not use headphones / earphones for excessive periods of time.
  It may cause injury.
- Try to connect the product to the rear USB port in your PC.
  In some individually assembled PCs, improper USB port may cause malfunction.

X20

Troubleshooting

Please check out !

- The player will not power on.
  - Check whether the battery is discharged. After charging the product using USB cable or AC adapter, check it again.
- The product cannot be charged after connecting power.
  - Check whether the USB cable or AC adapter is properly connected.
- The product cannot be connected properly using the USB cable.
  - Check whether the USB cable is firmly connected.
- The LCD display turns off frequently.
  - To save power consumption, the LCD is designed to be turned off after designated time. Set up this time period in [Settings-Timer-Backlight].
- Poor radio reception with heavy noise.
  - Check whether an earphone is connected. (The earphones cord functions as an antenna.)
  - Adjust the position of the player and earphones.
  - Turn off any nearby electronic equipment to avoid potential interference.
- No sound during playback.
  - Check whether the volume is set to "0".
  - Check whether the plug or connection jack of earphones is dirty.
  - Check whether the music file is corrupted.
- The memory space is changed after formatting.
  - The memory space can be changed depending on the operating system.
- Windows Media Player 11 cannot be installed.
  - Check whether you are currently using Windows® XP. Windows Media Player 11 only supports Windows® XP. If you are using other than Windows® XP, transfer files using iriver plus 3 or removable disk.

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The information on this manual is prepared with the current player specifications.

The manufacturer, iriver Limited, is adding new features to the product and may persistently apply new technologies hereafter.

All standards may be changed at any time without notice.

Federal Communications Commission (FCC)

- Caution : Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- This device complies with part 15 of the FCC Rules.
- Operation is subject to the following two
- Conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.